

WHAT IS CLAIMED IS:

1. A workpiece holder installed in a clean container, said clean container comprises a base, a cassette, and a housing, wherein said cassette fixedly provided at a top side of said base and adapted to hold a number of workpieces that are transversely insertable into said cassette, said housing adapted to cover said base over said cassette; said workpiece holder comprising:

a locating member fixedly fastened to an inside wall of said housing of said clean container, said locating member having a vertical sliding groove and horizontal knuckle means;

a vertical slide vertically movably inserted into said vertical sliding groove of said locating member, said vertical sliding having a transversely horizontal sliding groove;

a holder member set between said locating member and said cassette, said holder member comprising a thrust face, a horizontal sliding block, and horizontal knuckle means, wherein said thrust face disposed at a front side of said holder member and adapted to push the workpieces in said cassette into position, said horizontal sliding block backwardly extended from a back side of said holder member and movably inserted into the corresponding horizontal sliding groove of said vertical slide; and

a link, said link having a first pivot, and a second pivot, wherein said first pivot pivoted with the horizontal knuckle means of said locating member, said second pivot pivoted with the horizontal knuckle means of said holder member;

wherein when covering said housing on said base, a bottom side of said vertical slide is stopped at the top side of said base, and said locating member is continuously lowered with said housing, thereby causing said vertical slide to slide upwardly along the vertical sliding groove of said locating member, so as to turn said link upwardly subject to the first pivot, and at the same time said horizontal sliding block of said holder member slides forward in said horizontal sliding groove of said vertical slide, and the thrust face of said holder member pushes the inserted workpieces in said cassette into position.

10 2. The workpiece holder as claimed in claim 1, wherein said locating member has two mounting holes bilaterally disposed at a top side thereof and fastened to the inside wall of said housing with two screws respectively.

15 3. The workpiece holder as claimed in claim 1, wherein said holder member is a substantially U-shaped member, and said thrust face is symmetrically bilaterally disposed at the front sides of said U-shaped holder member.

20 4. The workpiece holder as claimed in claim 1, wherein the horizontal knuckle means of said holder member is formed integral with said horizontal sliding block.

5. The workpiece holder as claimed in claim 1, wherein said locating member comprises stop means disposed at a lateral edge of said vertical sliding groove; said vertical slide comprises stop means disposed at an upside thereof and corresponding to downwardly stop at the stop means

of said locating member to limit downward moving distance of said vertical slide when sliding in said vertical sliding groove.

6. The workpiece holder as claimed in claim 1, wherein said locating member comprises stop means disposed in said vertical sliding groove; said vertical slide has stop means disposed near a bottom side thereof and corresponding to upwardly stop at the stop means of said locating member.

7. The workpiece holder as claimed in claim 6, wherein the stop means of said vertical slide is upwardly stopped at the stop means of said locating member to limit upward moving distance of said vertical slide when sliding in said vertical sliding groove.

8. The workpiece holder as claimed in claim 1, wherein the knuckle means of said holder member is spaced from said horizontal sliding block at a pre-determined distance.

9. The workpiece holder as claimed in claim 1, wherein the knuckle means of said holder member and said horizontal sliding block are disposed at same elevation.

10. The workpiece holder as claimed in claim 1, wherein said locating member is affixed to the inside wall of said housing of said clean container with screws.

11. A clean container comprising a base, a housing adapted to cover said base, and a workpiece holder as claimed in claim 1 and mounted inside said clean container.